

ATTORNEY DOCKET NO.
3033.1003-001APPLICATION NO.
09/909,348INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

October 25, 2001

(Use several sheets if necessary)

APPLICANT

Darrell H. Carney, et al.

FILING DATE

July 19, 2001

GROUP

Not assigned.

PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
✓	AA	5,352,664	10/04/94	Carney et al.	514	13	
✓	AB	5,500,412	03/19/96	Carney et al.	514	13	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	AR	✓	O'Connor, W.J., et al., "The Use of Growth Factors in Cartilage Repair," <i>Orthopedic Clinics of North America</i> , 31(3): 399-409 (2000).
	AS	✓	Frenkel, S.R., et al., "Transforming Growth Factor Beta Superfamily Members: Role in Cartilage Modeling," <i>Plastic and Reconstructive Surgery</i> , 105(3): 980-990 (2000).
	AT	✓	Sellers, R.S., et al., "Repair of Articular Cartilage Defects One Year After Treatment with Recombinant Human Bone Morphogenetic Protein-2 (rhBMP-2)," <i>J. of Bone & Joint Surgery</i> , 82(2): 151-160 (2000).
	AU	✓	Sanyal, A., et al., "Initial Evidence for the Involvement of Bone Morphogenetic Protein-2 Early during Periosteal Chondrogenesis," <i>J. of Orthopaedic Research</i> , 17(6): 926-934 (1999).
	AV	✓	Louwerse, R.T., et al., "Use of Recombinant Human Osteogenic Protein-1 for the Repair of Subchondral Defects in Articular Cartilage in Goats," <i>J. of Biomedical Materials Res.</i> , 49(4): 506-516 (2000).
	AW	✓	Nixon, A.J., et al., "Enhanced Repair of Extensive Articular Defects by Insulin-Like Growth Factor-I-Laden Fibrin Composites," <i>J. of Orthopaedic Res.</i> , 17: 475-487 (1999).
	AX	✓	Fujimoto, E., et al., "Beneficial Effect of Basic Fibroblast Growth Factor on the Repair of Full-Thickness Defects in Rabbit Articular Cartilage," <i>Archives of Orthopaedic and Trauma Surgery</i> , 119(3-4): 139-145 (1999).
✓	AY	✓	Koepp, H.E., et al., "Osteogenic Protein-1 (OP-1) Blocks Cartilage Damage Caused by Fibronectin Fragments and Promotes Repair by Enhancing Proteoglycan Synthesis," <i>Inflammation Res.</i> , 48(4): 199-204 (1999).

EXAMINER

Anne E. Johnson

DATE CONSIDERED

7/28/03

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
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DEC 12 2001

FILING DATE
July 19, 2001

GROUP

Not assigned

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

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AZ	✓	Hogervorst, T., et al., "The Effect of a TCP-Collagen Implant on the Healing of Articular Cartilage Defects in the Rabbit Knee Joint," <i>J. of Applied Biomaterials</i> , 3: 251-258 (1992).
AR2	✓	Reddi, A.H., "Cartilage-Derived Morphogenetic Proteins and Cartilage Morphogenesis," <i>Microscopy Res. & Technique</i> , 43(2): 131-136 (1998).
AS2	✓	Stiernberg, J., et al., "The Role of Thrombin and Thrombin Receptor Activating Peptide (TRAP-508) in Initiation of Tissue Repair," <i>Thrombosis and Haemostasis</i> , 70(1): 158-162 (1993).
AT2	✓	Carney, D.H., et al., "Enhancement of Incisional Wound Healing and Neovascularization in Normal Rats by Thrombin and Synthetic Thrombin Receptor-Activating Peptides," <i>J. Clin. Invest.</i> 89: 1469-1477 (1992).
AU2	✓	Carney, D.H., et al., "Role of High-Affinity Thrombin Receptors in Postclotting Cellular Effects of Thrombin," <i>Seminars in Thrombosis and Hemostasis</i> , 18(1): 91-102 (1992).
AV2	✓	Stiernberg, J., et al., "Acceleration of Full-Thickness Wound Healing in Normal Rats by the Synthetic Thrombin Peptide, TP508," <i>Wound Repair and Regeneration</i> , 8(3): 204-215 (2000).
AW2	✓	Sower, L.E., et al., "Thrombin Peptide, TP508, Induces Differential Gene Expression in Fibroblasts Through a Nonproteolytic Activation Pathway," <i>Experimental Cell Res.</i> , 247: 422-431 (1999).
AX2	✓	Glenn, K.C., et al., "Synthetic Peptides Bind to High-Affinity Thrombin Receptors and Modulate Thrombin Mitogenesis," <i>The J. of Peptide Application, Synthesis and Analysis</i> , 1(2): 65-73 (1988).
AY2	✓	Carney, D.H., "Postclotting Cellular Effects of Thrombin Mediated by Interaction With High-Affinity Thrombin Receptors," in <i>Thrombin: Structure and Function</i> , ed. Lawrence J. Berliner. Plenum Press, New York, 351-396, 1992.

EXAMINER

DATE CONSIDERED

D. H. Carney

7/20/01

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IN AN APPLICATION

October 25, 2001

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APPLICANT
Darrell H. Carney, et al.

DEC 12 2001

FILING DATE
July 19, 2001

GROUP Not assigned. TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

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AZ2	Nishida, Y., et al., "Osteogenic proten-1 promotes the syntehsis and retention of extracellular matrix withing bovine articular cartilage and chondrocyte cultures," <i>Osteoarthritis and Cartilage</i> , 8: 127-136 (2000).
AR3	Crowther, R.S., et al., "Thrombin Peptide TP508 Significantly Accelerates Repair of Fresh Fractures," <i>Distributed at Texas Mineralized Tissue Society</i> , Austin, Texas. August 1998.
AS3	Simmons, D.J., et al., "Acceleration of Rat Femoral Fracture Healing by a Synthetic Thrombin Peptide," <i>Calcium Metabolism: Comparative Endocrinology</i> . Proc Satellite Meeting, San Francisco, CA. Nov. 30, 1998. (Eds. C Dacke, J Danks, G Flik and C Gay). BioScientifica Ltd. Bradley Stoke, Bristol, UK. 1999.

EXAMINER

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Jose E. Johnson

5/28/03

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JAN 30 2002

January 10, 2002

APPLICANT
Darrell H. Carney, et al.

FILING DATE
July 19, 2001

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[illegible]

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[illegible]

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	AT3	Yang et al., "Accelerated Repair of Segmental Defects by a Synthetic Thrombin Peptide," Handout that was distributed at the Texas Mineralized Tissue Society Meeting, September, 1999.

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5/28/03

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INFORMATION DISCLOSURE CITATION
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APPLICANT
Darrell H. Carney et al.

JUL 29 2002

JUL 25 2002

July 18, 2002

FILING DATE
July 19, 2001

GROUP
1653

(Use several sheets if necessary)

TECH CENTER 1600/2800

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
AK	AC	5,876,452	02 MAR 99	Athanasίου et al.	623	16	
	AD	6,001,352	14 DEC 99	Boyan et al.	424	93.7	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AK	AL	WO 88/03151	05 MAY 88	PCT			
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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DATE CONSIDERED

Hope Robinson

5/28/02